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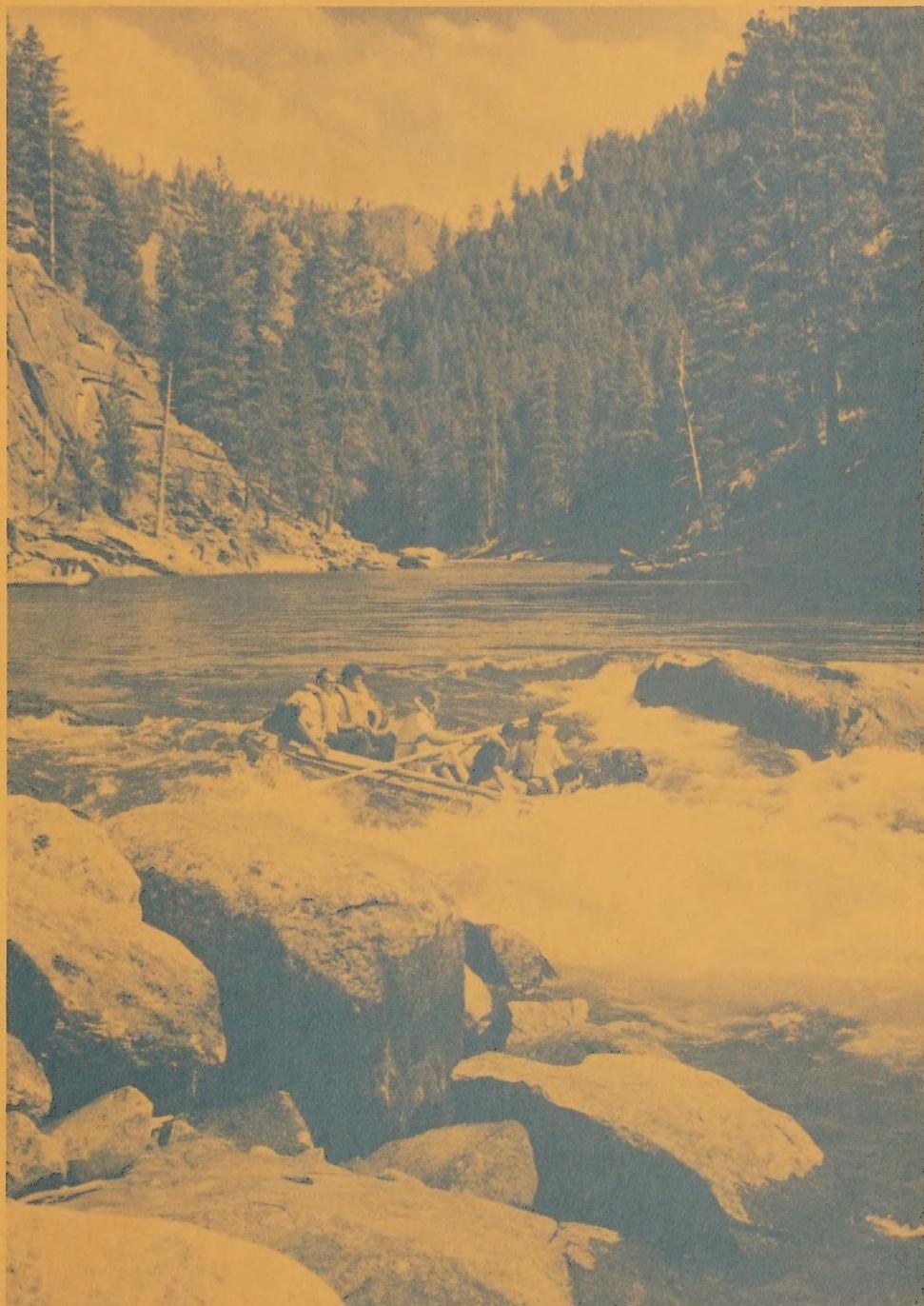
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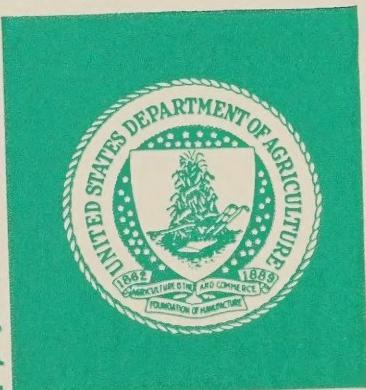
1961-1982 Recreation Research Publications



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RECREATION RESEARCH PUBLICATIONS

Bibliography 1961-1982



Compilers

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January 1983

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INTRODUCTION

USDA Forest Service recreation research is about 20 years old. In that time hundreds of articles, notes and papers have been published by Forest Service researchers and their cooperators. In 1967 a bibliography of Forest Service outdoor recreation research was issued that listed, by forest experiment station and author, publications from 1942 through 1966. Since then, 11 annual supplements have been published.

Most recreation researchers who have been around for the past 10 to 20 years have a pretty good idea about who wrote what publication and how to find it. But others are hard pressed to find what has been written about a particular subject and who wrote it. This bibliography is intended to facilitate their search. The object is to identify, by author and subject matter, recreation research publications by Forest Service scientists and their cooperators that have been published through 1982.

Some publications found in the original bibliography and its 11 supplements will not be found in this bibliography. These have been deleted at the request of the authors. Generally, new information has made the deleted citations obsolete or inadequate.

ORGANIZATION

This bibliography is organized in two ways: by Author; and by Subject Category.

The Author Index is a simple alphabetized listing by author and year of publication. Individual entrees are numbered to facilitate cross-referencing to subject categories.

The Subject Category identifies individual numbered publications contained in the author index. Publications are classified under six major categories, each having from 3 to 13 subclasses. The sixth major category contains source documents--conference or symposium proceedings sponsored or co-sponsored by the Forest Service, other bibliographies, and texts or books. These source documents generally address a variety of subjects.

Categorizing any set of publications is a very subjective process. The Subject Classification Index, page 79, identifies the six major categories and their subclasses. A short paragraph describes the types of publications that can be found in each major category. For example, if you want to know what Forest Service research has been published on "the economics and marketing of commercial recreation enterprises," you would turn to major category V, subclass 6; or, "timber management and its relationship to aesthetics," major category IV, subclass 9. Persual of the publications listed under major category III, subclass 9, will reveal 23 publications that deal with the carrying capacity concept as it relates to outdoor recreation.

OBTAINING A PUBLICATION

This bibliography is designed to facilitate the search for literature. It will not produce publications. In some cases it will be difficult to obtain a publication. Most of the periodicals that carry recreation research articles are maintained in local libraries. If a local library does not have a publication, it can often be obtained through inter-library loan. Many libraries are on Forest Service Experiment Station mailing lists and regularly receive publications.

Forest Service research publications (Research Note, Research Paper, General Technical Report, etc.), less than five years old can be obtained from Experiment Stations. Experiment Stations are abbreviated in parentheses after each citation; addresses are given on page 94. If a publication is not available from the publication office of an Experiment Station, the request is normally routed to the Station librarian. Each library maintains a file copy of its publications and these can usually be reproduced at cost. For Federal Government employees, land grant university employees, and others having access to the Technical Information System of the National Agricultural Library, the NAL, with a field liaison officer in Beltsville, MD, is another publication retrieval possibility. For users in the 17 western states, the Forest Service maintains a Western Forestry Information Network called WESTFORNET with service centers in Seattle, WA, Berkeley, CA, Ogden, UT, and Fort Collins, CO.

Both of these outlets plus the services of the Library of Congress and the National Technical Information System of the Department of Commerce should be explored before giving up hope. Finally, if you can locate the author of a publication listed in the bibliography, you may be able to obtain it from them directly.

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- 0928 Whittaker, James C., and Herbert E. Echelberger. 1971. Land for recreation: A look at leasing in New York. USDA Forest Serv. Res. Pap. NE-182, 8 p., illus. (NE)
- 0929 Williams, Daniel R.; Schreyer, Richard. 1981. Characterizing the person-environment interaction for recreation resource planning. In: Frazier, John W.; Epstein, Bart J., eds. Proceedings, Applied Geography Conferences; 1981 October 22-24; Tempe, AZ. Binghamton, NY: SUNY, Department of Geography; 1981, Vol. 4: 262-271. (NC)
- 0930 Williamson, Dennis N., Julius G. Fabos, Robert O. Brush, William P. MacConnell. 1978. TECHNICK--Seeing the forest as camouflage. Landscape Architecture, 68(1): 44 p. (NE)
- 0931 Williamson, Robert D. 1973. Bird-and people-neighborhoods. Natur. Hist. LXXXII(9): 55-57, illus. (NE)
- 0932 Zube, Ervin A., Hugh C. Davis, and Robert O. Brush. 1971. Landscape architectural research in environmental forestry: A research program for the Northeastern United States. Amer. Soc. Landscape Architects Found., 18 p., illus. (NE)

BIBLIOGRAPHY

SUBJECT CLASSIFICATION INDEX

I. MANAGEMENT OF AREAS AND FACILITIES (Page 82)

Publications found in this category address problems encountered by managers of wilderness/backcountry resources, and of some day-use and overnight facilities. There are also publications about economics, i.e., benefit-cost analysis, economic impacts, role of user fees, etc., but not about the economics of recreation enterprises.

- I-1. General
- I-2. Day-use
- I-3. Overnight-use
- I-4. Wilderness/Backcountry
- I-5. Economics
- I-6. Special Use Areas
- I-7. Trails
- I-8. Aquatic and Associated Land
- I-9. Marine and Coastal
- I-10. Service Areas

II. MANAGEMENT FOR RECREATION ACTIVITIES AND EXPERIENCES (Page 84)

This classification contains publications and articles about camping and the campground industry, about fishing and hunting, hiking and backpacking, snow and ice activities, about boating and river oriented activities, and the motivations behind these and other activities. Articles in this category also address the social aspects of outdoor recreation such as people and non-game wildlife, conflicts among recreationists, travel patterns, and management-user interactions.

- II-1. General
- II-2. Camping
- II-3. Hiking/Backpacking
- II-4. Hunting/Fishing
- II-5. ORV's
- II-6. Snow/Ice Activities
- II-7. Swim/Sub-Surface Activities
- II-8. Water Surface Activities
- II-9. People and non-game wildlife
- II-10. Aerial Activities
- II-11. Day-use Activities

III. MANAGEMENT AND USERS (Page 86)

Since most of the recreation research done in or sponsored by the Forest Service is carried out to enhance the recreation experience of users, this category has the most publications. Topics in it consist of assessing demand for outdoor recreation, including trends research and market surveys, monitoring levels of use--nationally, regionally, and on-site--user descriptions, preferences and benefits (including psychological benefits), visitor safety, administrative and decisionmaking articles, articles about information and interpretation, and articles and publications about depreciative behavior and law enforcement. Articles about recreational carrying capacity, both social and, to a lesser extent, physical, are also included, as are articles and publications about the Recreation Opportunity Spectrum.

- III-1. General
- III-2. Assessing Demand, Trends, Marketing & Market Surveys
- III-3. Assessing Use
- III-4. Depreciative Behavior/Enforcement
- III-5. Visitor Safety
- III-6. Information/Interpretation
- III-7. Administration--Decisionmaking
- III-8. User Descriptions, Preferences, Benefits
- III-9. Carrying Capacity
- III-10. Recreation Opportunity Spectrum

IV. RESOURCE PROTECTION AND REHABILITATION (Page 89)

Most research reported in this classification deals with physical or biological issues, although there is considerable attention paid to preferences and beauty. Nearly half of the citations in this category are classified under the subheading "Visual Resources"--how to cut, when to cut, what to cut, and where to cut--what to expect after the cut, and how to visualize what an area will look like after it is cut. Other articles deal with the impact of recreationists on vegetation, soil, wildlife and aquatic resources, and with site rehabilitation.

- IV-1. General
- IV-2. User Impacts
- IV-3. Site Rehabilitation
- IV-4. Geologic/Soil/Mineral Resources
- IV-5. Vegetation Resources
- IV-6. Wildlife/Fishery Resources
- IV-7. Aquatic and Associated Land Resources
- IV-8. Backcountry and Wilderness Resources
- IV-9. Visual Resources
- IV-10. Special Use/Special Designated Areas
- IV-11. Resource Protection
- IV-12. Marine and Coastal Resources
- IV-13. Cultural Resources

V. MANAGEMENT PLANNING AND RESEARCH (Page 91)

This classification contains articles and publications that deal with those issues planners and managers of recreation areas and facilities face; issues such as impact analyses, policy questions, public involvement, and planning for dispersed or developed recreation opportunities. It also contains numerous and some important breakthroughs in recreation research methodology and research needs. Finally, it contains articles and publications about management and the economics of commercial recreation enterprises.

- V-1. General, education and curriculums
- V-2. Management Planning
- V-3. Management Plans
- V-4. Public Involvement and Legal Concerns
- V-5. Research
- V-6. Economics of Recreation Enterprises

VI. SOURCE DOCUMENTS (Page 93)

The last category is a list of major publications that are conference or symposium proceedings, other bibliographies, and texts or books that the Forest Service authors have written or edited.

- VI-1. Conference and Symposium Proceedings
- VI-2. Research Literature (Bibliographies)
- VI-3. Books

BIBLIOGRAPHY
CITATION CLASSIFICATION

I. MANAGEMENT OF AREAS AND FACILITIES

I-1. General

0011	0624
0327	0645
0335	0868
0602	

I-2. Day-use

0059
0372
0430
0594

I-3. Overnight-use

I-4. Wilderness/Backcountry

0061	0287	0520	0711
0067	0290	0527	0712
0075	0291	0528	0713
0100	0293	0540	0719
0130	0299	0541	0725
0139	0300	0544	0778
0175	0303	0545	0779
0184	0307	0546	0780
0189	0331	0553	0793
0193	0332	0554	0794
0204	0333	0556	0795
0223	0396	0568	0801
0225	0453	0589	0803
0228	0457	0604	0806
0230	0458	0632	0807
0234	0459	0642	0813
0235	0460	0680	0816
0236	0463	0682	0893
0238	0469	0684	0895
0262	0471	0688	0896
0263	0476	0689	0901
0273	0485	0700	0906
0280	0491	0701	0914

I-5. Economics

0008	0172	0443	0738
0017	0176	0474	0824
0031	0196	0595	0832
0033	0309	0639	0854
0068	0357	0674	0924
0074	0364	0683	0925
0170	0365	0698	

I-6. Special Use Areas

0027	0636	0905	0917
0533	0637	0907	0918
0585	0653	0912	0921

I-7. Trails

I-8. Aquatic and Associated Land

I-9. Marine and Coastal

I-10. Service Areas

II. MANAGEMENT FOR RECREATION ACTIVITIES AND EXPERIENCES

II-1. General

0049	0623
0121	0927
0445	

II-2. Camping

0018	0334	0430	0538
0055	0354	0432	0569
0084	0381	0436	0573
0107	0401	0444	0744
0122	0411	0475	0751
0177	0417	0477	0752
0202	0423	0478	0859
0277	0425	0480	0861
			0864

II-3. Hiking/Backpacking

0056	0539	0676	0712
0077	0543	0677	0780
0352	0547	0678	0791
0353	0583	0680	0920
			0922

II-4. Hunting/Fishing

0088	0292	0358	0692
0157	0298	0384	0693
0168	0302	0388	0694
0169	0307	0530	0707
0251	0339	0560	0764
0261	0341	0575	0797
0289	0348	0610	0825
			0826

II-5. ORV's

0784
0910

II-6. Snow/Ice Activities

0178	0349	0454	0716
0192	0446	0472	0792
0249	0447	0473	0857
0306	0450	0581	0858d

II-7. Swim/Sub-Surface Activities

II-8. Water Surface Activities

0004	0266	0492	0662
0093	0330	0496	0679
0129	0359	0502	0681
0154	0391	0534	0685
0180	0392	0549	0686
0185	0451	0587	0731
0202	0452	0589	0748
0233	0456	0613	0804
0242	0486	0621	0822
0253	0488	0644	0823

II-9. People and non-game wildlife

0122	0143	0313	0625
0141	0144	0489	0674
0142	0145	0620	0931

II-10. Aerial Activities

II-11. Day-use activities

0603

III. MANAGEMENT AND USERS

III-1. General

0136
0635
0718

III-2. Assessing Demand & Trends & Marketing & Market Surveys

0001	0275	0438	0675
0005	0294	0439	0683
0023	0306	0441	0685
0025	0365	0446	0687
0026	0366	0447	0705
0099	0382	0455	0748
0116	0395	0472	0750
0119	0418	0499	0755
0155	0422	0536	0762
0178	0423	0578	0763
0192	0425	0601	0768
0197	0426	0607	0791
0200	0427	0614	0820
0233	0429	0617	0833
0244	0430	0625	0850
0246	0431	0628	0857
			0905

III-3. Assessing Use

0005	0215	0359	0721
0062	0255	0360	0730
0063	0299	0362	0734
0066	0337	0470	0751
0109	0340	0484	0780
0124	0342	0485	0831
0125	0343	0521	0850
0126	0344	0527	0851
0127	0345	0528	0853
0128	0346	0540	0855
0150	0347	0556	0865
0194	0349	0579	0872
0198	0351	0597	0873
0203	0356	0636	0913
0204	0357	0646	
0214	0358	0680	

III-4. Depreciative Behavior/Enforcement

0058	0081	0090	0571
0071	0083	0091	0588
0072	0085	0237	0633
0079	0086	0557	0715
0080	0087	0570	0764
			0923

III-5. Visitor Safety

0557	0668	0670	0672
0667	0669	0671	0903

III-6. Information/Interpretation

0029	0390	0714	0886
0147	0394	0717	0887
0148	0397	0783	0888
0149	0493	0838	0889
0222	0494	0876	0890
0224	0497	0877	0897
0257	0572	0878	0898
0288	0580	0880	0899
0387	0695	0884	0900
			0902
			0904

III-7. Administration--Decisionmaking

0035	0296	0630	0794
0051	0332	0697	0799
0106	0437	0733	0812
0205	0460	0766	0824
0216	0526	0772	0869
0271	0584	0777	0871
0279	0616	0793	0883

III-8. User Descriptions, Preferences, Benefits

0006	0171	0379	0612
0012	0173	0380	0626
0015	0187	0389	0631
0035	0209	0392	0654
0038	0248	0398	0665
0049	0249	0402	0698
0053	0250	0450	0704
0056	0252	0452	0711
0064	0256	0463	0716
0065	0259	0473	0743
0076	0260	0483	0744
0077	0261	0500	0782
0107	0272	0525	0788
0111	0273	0543	0792
0113	0276	0550	0822
0121	0277	0553	0823
0138	0280	0558	0825
0152	0282	0559	0834
0153	0285	0577	0845
0156	0352	0582	0860
0158	0361	0585	0862
0159	0377	0587	0863
0160	0378	0596	0909
0161			0912

III-9. Carrying Capacity

0232	0495	0809	0881
0465	0524	0810	0894
0479	0629	0815	0906
0481	0796	0817	0916
0487	0798	0858	0919
0490	0800	0866	

III-10. Recreation Opportunity Spectrum

0036	0039	0096	0162
0037	0095	0097	0576

IV. RESOURCE PROTECTION AND REHABILITATION

IV-1. General

0322	0811
0669	0892

IV-2. User Impacts

0096	0227	0367	0599
0098	0229	0399	0600
0100	0231	0551	0627
0104	0269	0552	0690
0123	0314	0563	0709
0151	0330	0586	0771
0184	0338	0598	0870

IV-3. Site Rehabilitation

0020	0108	0226	0566
0028	1110	0565	0710

IV-4. Geologic/Soil/Mineral Resources

0050	0386
0385	0706

IV-5. Vegetation Resources

0002	0112	0264	0567
0013	0179	0265	0640
0019	0218	0308	0641
0098	0247	0403	0657
0101	0263	0562	0658
0103	0263	0564	0708
			0867

IV-6. Wildlife/Fishery Resources

0105	0701
0658	0874

IV-7. Aquatic and Associated Land Resources

0010	0383	0656
0239	0655	0740
		0821

IV-8. Backcountry and Wilderness Resources

0219	0221	0267	0466
0220	0266	0273	0467
			0542

IV-9. Visual Resources

0003	0183	0506	0735
0007	0186	0507	0737
0009	0190	0508	0745
0021	0199	0509	0753
0022	0201	0510	0754
0030	0206	0511	0756
0032	0207	0512	0757
0040	0208	0513	0758
0041	0210	0514	0760
0042	0211	0515	0765
0043	0217	0516	0770
0044	0268	0517	0773
0045	0305	0518	0785
0046	0323	0522	0786
0047	0336	0564	0819
0048	0350	0567	0835
0060	0368	0574	0836
0078	0369	0634	0841
0118	0370	0638	0843
0120	0373	0649	0844
0132	0374	0650	0846
0133	0375	0651	0847
0134	0376	0666	0882
0135	0393	0702	0930
0181	0505	0724	0932

IV-10. Special Use/Special Designated Areas

0146	0504	0673
0363	0561	0830

IV-11. Resource Protection

0082
0311

IV-12. Marine and Coastal Resources

IV-13. Cultural Resources

V. MANAGEMENT PLANNING AND RESEARCH

V-1. General, education and curriculums

0164	0278	0433	0849
0241	0318	0622	0869
0245	0324	0814	0875
			0885

V-2. Management Planning

0034	0240	0519	0769
0094	0284	0548	0776
0137	0312	0606	0779
0140	0372	0659	0802
0155	0407	0660	0805
0163	0408	0661	0827
0167	0412	0665	0828
0174	0413	0703	0837
0188	0414	0722	0848
0206	0415	0723	0879
0215	0448	0736	0891
0235	0464	0767	0929

V-3. Management Plans

0069	0191
0070	0212

V-4. Public Involvement and Legal Concerns

0089	0243	0304
0092	0297	0371
0213	0301	0732
		0781

V-5. Research

0024	0317	0523	0742
0052	0319	0529	0746
0054	0320	0531	0747
0073	0321	0532	0749
0093	0325	0534	0759
0114	0326	0535	0761
0117	0328	0537	0774
0131	0330	0545	0775
0165	0355	0555	0790
0166	0404	0606	0808
0195	0409	0615	0812
0209	0416	0618	0818
0216	0419	0619	0829
0223	0435	0641	0838
0254	0440	0652	0839
0258	0442	0653	0840
0283	0466	0676	0842
0286	0468	0691	0870
0295	0498	0720	0871
0310	0501	0728	0911
0315	0503	0729	0912
0316	0515	0741	0914
			0915
			0932

V-6. Economics of Recreation Enterprises

0014	0405	0428	0592
0018	0406	0432	0593
0115	0410	0434	0594
0177	0411	0439	0605
0182	0420	0443	0608
0202	0421	0449	0609
0284	0423	0482	0611
0400	0424	0590	0908
0401	0426	0591	0926
			0928

VI. SOURCE DOCUMENTS

VI-1. Conference and Symposium Proceedings

0643	0648	0789	0858
0644	0666	0813	0858a
0647	0787	0856	0858b
		0856a	0858c

VI-2. Research Literature (Bibliographies)

0004	0663	0694	0798
0148	0664	0696	0832
0632	0691	0739	

VI-3. Books

0303
0471

USDA FOREST SERVICE EXPERIMENT STATION ADDRESSES

- (INT) Intermountain Forest and Range
Experiment Station
507 25th Street
Ogden, Utah 84401
- (NC) North Central Forest Experiment Station
1992 Folwell Avenue
St. Paul, Minnesota 55108
- (NE) Northeastern Forest Experiment Station
370 Reed Road
Broomall, Pennsylvania 19008
- (PNW) Pacific Northwest Forest and Range
Experiment Station
809 NE 6th Avenue
Portland, Oregon 97232
- (PSW) Pacific Southwest Forest and Range
Experiment Station
1960 Addison Street
P.O. Box 245
Berkeley, California 94701
- (RM) Rocky Mountain Forest and Range
Experiment Station
240 West Prospect Street
Fort Collins, Colorado 80526
- (SE) Southeastern Forest Experiment Station
200 Weaver Boulevard
Asheville, North Carolina 28804
- (SO) Southern Forest Experiment Station
T-10210, U.S. Postal Service Building
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- (WO) USDA Forest Service
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